Title (en)
METHOD AND ARRANGEMENT FOR OPERATING A COOLING PLANT

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Application
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Abstract (en)
[origin: EP0122113A2] On board ships there are cooling systems of a kind comprising a heat exchanger (1) operating as a central cooler, through which sea water is pumped by means of a number of different pumps (2 - 5). Fresh water intended for cooling of the main engine (21) of the ship and a lot of devices (15 - 18) of various kinds on board the ship, is pumped through the heat exchanger (1) to be cooled by the sea water. A by-pass conduit (11) extends between the heat exchanger inlet conduit (9) and outlet conduit (10) for fresh water, and a threeway valve (12) is arranged to distribute the fresh water flow through the heat exchanger (1) and the by-pass (11) in dependence upon the existing cooling demand of the main engine (21) and/or said devices (15 -18) for maintaining a predetermined temperature in the fresh water circuit. The invention resides in sensing the flow through the heat exchanger (1), or the by-pass conduit (11), and in response thereto increasing or decreasing stepwise the pump capacity for pumping sea water through the heat exchanger (1).

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